

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Union County, Kentucky**

**Kentucky State Nature Preserves
Commission
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Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered
SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled	GU = Unrankable
G2 = Imperiled	G#? = Inexact rank (e.g. G2?)
G3 = Vulnerable	G#Q = Questionable taxonomy
G4 = Apparently secure	G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)
G5 = Secure	
GH = Historic, possibly extinct	GNR = Unranked
GX = Presumed extinct	GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled	SU = Unrankable	Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M): S#B = Rank of breeding population S#N = Rank of non-breeding population S#M = Rank of transient population
S2 = Imperiled	S#? = Inexact rank (e.g. G2?)	
S3 = Vulnerable	S#Q = Questionable taxonomy	
S4 = Apparently secure	S#T# = Intraspecific taxa	
S5 = Secure	SNR = Unranked	
SH = Historic, possibly extirpated	SNA = Not applicable	
SX = Presumed extirpated		

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county
H - reported from the county but not seen for at least 20 years
F - reported from county & cannot be relocated but for which further inventory is needed
X - known to have extirpated from the county
U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Union	Non-Vascular Plants	<i>Phaeophyscia leana</i>	Lea's Bog Lichen	E /	G2 / S1?	1	0	0	0	0
Union	Vascular Plants	<i>Armoracia lacustris</i>	Lakecress	T /	G4? / S1S2	1	0	0	0	0
Union	Vascular Plants	<i>Matelea carolinensis</i>	Carolina Anglepod	E /	G4 / S1?	0	1	0	0	0
Union	Vascular Plants	<i>Perideridia americana</i>	Eastern Yampah	T /	G4 / S2	0	1	0	0	0
Union	Vascular Plants	<i>Silene ovata</i>	Ovate Catchfly	E / SOMC	G3 / S1	0	1	0	0	0
Union	Aquatic Snails	<i>Lithasia armigera</i>	Armored Rocksnail	S / SOMC	G3G4 / S3S4	0	1	0	0	0
Union	Terrestrial Snails	<i>Webbhelix multilineata</i>	Striped Whitelip	T /	G5 / S1S2	1	0	0	0	0
Union	Freshwater Mussels	<i>Plethobasus cyphus</i>	Sheepnose	E / C	G3 / S1	0	1	0	0	0
Union	Freshwater Mussels	<i>Potamilus capax</i>	Fat Pocketbook	E / LE	G1G2 / S1	4	1	1	0	0
Union	Freshwater Mussels	<i>Toxolasma texasiensis</i>	Texas Lilliput	E /	G4 / S1	0	0	1	0	0
Union	Insects	<i>Gomphus hybridus</i>	Cocoa Clubtail	E /	G4 / S1	1	0	0	0	0
Union	Fishes	<i>Acipenser fulvescens</i>	Lake Sturgeon	E / SOMC	G3G4 / S1	1	0	0	0	0
Union	Fishes	<i>Ichthyomyzon castaneus</i>	Chestnut Lamprey	S /	G4 / S2	0	1	0	0	0
Union	Fishes	<i>Ictiobus niger</i>	Black Buffalo	S /	G5 / S3	1	0	0	0	0
Union	Amphibians	<i>Hyla avivoca</i>	Bird-voiced Treefrog	S /	G5 / S3	1	0	0	0	0
Union	Amphibians	<i>Hyla cinerea</i>	Green Treefrog	S /	G5 / S3	1	0	0	0	0
Union	Reptiles	<i>Apalone mutica mutica</i>	Midland Smooth Softshell	S /	G5T5 / S3	2	0	0	0	0
Union	Reptiles	<i>Nerodia erythrogaster neglecta</i>	Copperbelly Water Snake	S / SOMC	G5T3 / S3	5	0	0	0	0
Union	Breeding Birds	<i>Aimophila aestivalis</i>	Bachman's Sparrow	E / SOMC	G3 / S1B	1	0	0	0	0
Union	Breeding Birds	<i>Anas discors</i>	Blue-winged Teal	T /	G5 / S1S2B	1	0	0	0	0
Union	Breeding Birds	<i>Ardea alba</i>	Great Egret	E /	G5 / S1B	2	0	0	0	0
Union	Breeding Birds	<i>Certhia americana</i>	Brown Creeper	E /	G5 / S1S2B,S4S5 N	1	0	0	0	0
Union	Breeding Birds	<i>Cistothorus platensis</i>	Sedge Wren	S /	G5 / S3B	1	0	0	0	0
Union	Breeding Birds	<i>Corvus ossifragus</i>	Fish Crow	S /	G5 / S3B	2	0	0	0	0
Union	Breeding Birds	<i>Fulica americana</i>	American Coot	E /	G5 / S1B	1	0	0	0	0
Union	Breeding Birds	<i>Gallinula chloropus</i>	Common Moorhen	T /	G5 / S1S2B	1	0	0	0	0
Union	Breeding Birds	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T / Delisted	G5 / S2B,S2S3N	1	0	0	0	0

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Union	Breeding Birds	<i>Ictinia mississippiensis</i>	Mississippi Kite	S /	G5 / S2B	1	0	0	0	0
Union	Breeding Birds	<i>Ixobrychus exilis</i>	Least Bittern	T /	G5 / S1S2B	1	0	0	0	0
Union	Breeding Birds	<i>Lophodytes cucullatus</i>	Hooded Merganser	T /	G5 / S1S2B,S3S4 N	1	0	0	0	0
Union	Breeding Birds	<i>Nyctanassa violacea</i>	Yellow-crowned Night-heron	T /	G5 / S2B	1	0	0	0	0
Union	Breeding Birds	<i>Podilymbus podiceps</i>	Pied-billed Grebe	E /	G5 / S1B,S4N	1	0	0	0	0
Union	Breeding Birds	<i>Riparia riparia</i>	Bank Swallow	S /	G5 / S3B	3	0	0	0	0
Union	Breeding Birds	<i>Sternula antillarum athalassos</i>	Interior Least Tern	E / LE	G4T2Q / S2B	2	0	0	1	0
Union	Breeding Birds	<i>Vireo bellii</i>	Bell's Vireo	S / SOMC	G5 / S2S3B	2	0	0	0	0
Union	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	1	0	0	0	0
Union	Mammals	<i>Nycticeius humeralis</i>	Evening Bat	S /	G5 / S3	1	0	0	0	0
Union	Mammals	<i>Sorex cinereus</i>	Cinereus Shrew	S /	G5 / S3	0	1	0	0	0
Union	Communities	<i>Bottomland hardwood forest</i>		/	GNR / S2	1	0	0	0	0
Union County Total:						45	8	2	1	0